STANDARD TEST METHOD FOR pH OF AQUEOUS SOLUTIONS WITH THE GLASS ELECTRODE BY ASTM E70-07

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Was the electrode immersed in distilled water between intermittent use or borax buffer solution for high alkalinity glass electrodes, and capped for prolonged storage?	5.2.4				
Were buffer solutions prepared according to 6.1 or commercial standard buffers used?	6.1- 6.3				
For high precision measurements was section 7 followed to calibrate the meter and electrodes?	7				
Was the meter allowed to warm up according to the manufacturer's instructions and adjusted to the temperature of the test solution?	8.1				
Were the electrodes and sample cup washed 3 times with distilled water?	8.1				
Were 2 standard solutions used to bracket the anticipated sample pH and temperature matched within 2°C of the sample?	8.2				
Was the pH meter calibrated according to 8.2 or the manufacturer's instructions?	8.2				
If the anticipated pH of the sample is less than 3.8 was the phthalate solution used for initial standardization or the borax solution for pH solutions greater than 10?	8.3				
Was the meter standardized each time for occasional pH measurements?	8.4				
When a long series of measurements is made, were initial and final standardizations supplemented by checks at 1 hour intervals (or longer if little or no change is found between successive standardizations?	8.4				
Notes/ Comments:					

STANDARD TEST METHOD FOR pH OF AQUEOUS SOLUTIONS WITH THE GLASS ELECTRODE
BY ASTM E70-07 **Page 2 of 2**

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Were the electrodes and sample cup washed and dried after calibration and before sample analysis?	9.1.1				
For well-buffered samples, were one to three portions measured to yield pH values reproducible to ±0.02 units with a drift <±0.01 in 1-2 min?	9.1.1				
For slightly buffered solutions were successive portions measured with vigorous agitation until results for 2 successive portions within 0.1 unit?	9.1.2				
For the pH of Flowing Streams, were the procedures in 9.2 followed?	9.2				
Was the pH reported to 0.01 units and the temperature to the nearest 1°C?	10				

Notes/ Comments: